

Brantley, Anna

To: Angulo, Yanisa; Balcom, Ilia
Cc: Madden, Melissa
Subject: FYI: FL Crushed Stone Site Inspection Report dated 1-29-09 mailed 2-19-2009.
Attachments: FL Crushed Stone Site Inspection Report dated 1-29-09 mailed 2-19-2009

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Florida Department of Environmental Protection

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Charlie Crist
Governor

Jeff Kottkamp
Lt. Governor

Michael W. Sole
Secretary

February 19, 2009

SITE INSPECTION REPORT

NAME OF SITE: Florida Crushed Stone Company

INSPECTION DATE: January 29, 2009

ATTN: George Townsend, Environmental Manager

PERMITEE: Florida Crushed Stone Company

10311 Cement Plant Road

Brooksville, Florida 34601

PERMIT #: PA 82-17N

SITE ADDRESS/LOCATION: 10311 Cement Plant Road
Brooksville, Florida 34601

REASON FOR VISIT:

- COMPLIANCE INSPECTION

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- PERMITTING INSPECTION

- COMPLAINT INVESTIGATION

PERSONS PRESENT: Melissa Madden – FDEP, George Townsend – CEMEX, Inc.

SUMMARY REPORT:

Florida Department of Environmental Protection (Department) staff conducted a site inspection of the Florida Crushed Stone Company on January 29, 2009. The purpose of this site visit was to observe the solid waste and industrial by-product management areas and waste tire processing facility to ensure compliance with Department rules and the facility's Conditions of Certification (PA 82-17N).

Department staff was accompanied by George Townsend, Environmental Manager for CEMEX, Inc.

Department staff first observed the waste tire processing area. All tires were stored in two 100cy trailers or on the platform ready for loading onto the conveyor system. Adjacent to the tire conveyor system, a second kiln has been constructed for cement manufacturing. Facility staff indicated that they are planning on adding a tire processing system to kiln #2 in the near future. A modification of Conditions of Certification PA 82-17N and Facility Operations Plan should be submitted to the Department prior to construction in accordance with section XXXII.C of PA 82-17N to reflect changes in operation and increase capacity and financial assurance.

Department staff continued on to inspect the solid waste/ash management and industrial by-product storage areas of the facility. Department staff first observed storage of the Central Power and Lime

(CPL) bottom ash. The CPL ash was stored in an uncovered bunker adjacent to the larger A-frame building (limerock storage), near the kilns. Facility staff indicated that this ash is used first in the cement manufacture process and is not stored in this location for extended periods of time. A second A-frame building has been constructed at the site and is used for solid waste/ash and industrial by-product storage. Millscale (high and low oil), Crystal River conditioned ash and TECO gypsum by-products were observed stored within the new building, under cover. The building did not appear to have any method of containment (besides cover) and could not be determined to have an impermeable surface for storage. Department staff traveled to the TECO Gannon Ash Pile #1 (east of the Plant) which appeared to be adequately tarped and weighted. The second TECO Gannon Ash Pile (#3, north of the Plant) also appeared adequately tarped, however, the slopes appeared very steep in some areas as the Facility is currently pulling ash from this pile. The pile should be adequately graded (at least 3H:1V) under the tarp to allow for adequate stormwater flow and provide for slope stability. A small pile of TECO gypsum was observed being stored at the south end of the large A-frame in the open (not under cover). Two piles of TECO slag were observed, one north of the large A-frame and the second south of the Plant, which did not have cover and appeared to be stored on the ground. A final small pile of ash was observed along the quarry road being stored on the ground, without cover. This pile was to be screened before being mixed for cement manufacture.

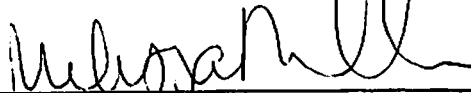
REQUIRED ACTIONS:

1. A modification of Conditions of Certification PA 82-17N and Facility Operations Plan should be submitted to the Department prior to construction of Kiln #2 waste tire processing equipment in accordance with section XXXII.C of PA 82-17N to reflect changes in operation and increase capacity and financial assurance.
2. TECO Gannon Ash Pile #3 should be adequately graded (at least 3H:1V) under the tarp to allow for adequate stormwater flow and slope stability.
3. Provide details about the newly constructed A-frame building, including floor and containment features.
4. Provide details about the TECO slag storage areas, including floor and containment features.
5. The 2008 inflation-adjusted cost estimates submitted by Coastal Engineering's Joseph Calamari on April 9, 2008 appear to have been calculated incorrectly due to the wrong inflation multiplier. Based on conversations on February 6, 2009, Mr. Townsend indicated that he would be sending updated estimates soon. 2009 inflation-adjustments should be submitted after approval of the 2008 estimates.
6. Additionally, it does not appear that the solid waste and/or industrial by-products are stored and managed within a groundwater monitoring system that meets the requirements of Chapter 62-701, Florida Administrative Code. Please be advised that based on the responses and information gathered at the site, the management of the solid wastes and industrial by-products at the site may require new permits, modifications of the site's groundwater monitoring plan, stormwater management plan, BMPP, permits or authorization.

7. Within 90 days of the date of this report, please provide current analytical data for the TECO slag and gypsum, CPL bottom ash, Crystal River conditioned ash and millscale.

If you have any questions, please feel free to contact me at 813/632.7600, Ext. 374.

DEP REPRESENTATIVE:



2-18-2009

Melissa Madden
Environmental Specialist
Solid Waste Section

February 18, 2009

cc:

Susan Pelz, P.E., FDEP, SWD
Yanisa Angulo, P.E. /Ilia Balcom, FDEP, IW



TIRE CONVEYOR



TIRE CONVEYOR



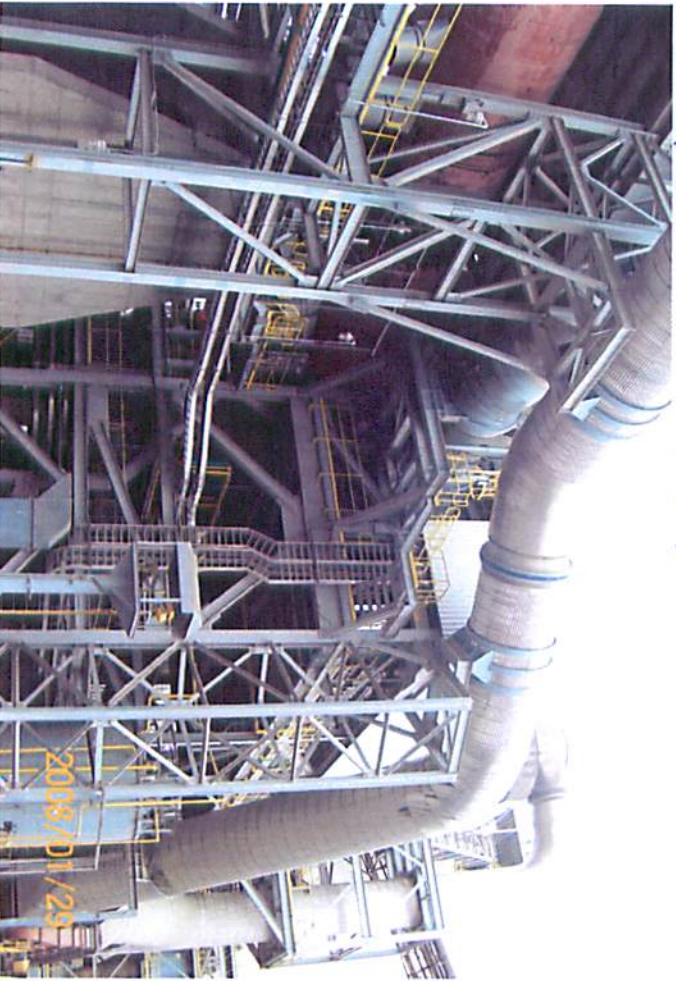
TIRE STORAGE



TIRE CONVEYOR



KLN #2 ↑ ↓



MILKCAE-UNDER ROOF



CPL BOTTOM ASH



MISCARE, CR CONDITIONED ASH



CONDITIONED ASH



Teco gypsum



MISCARE, gypsum



TECO cannon #1



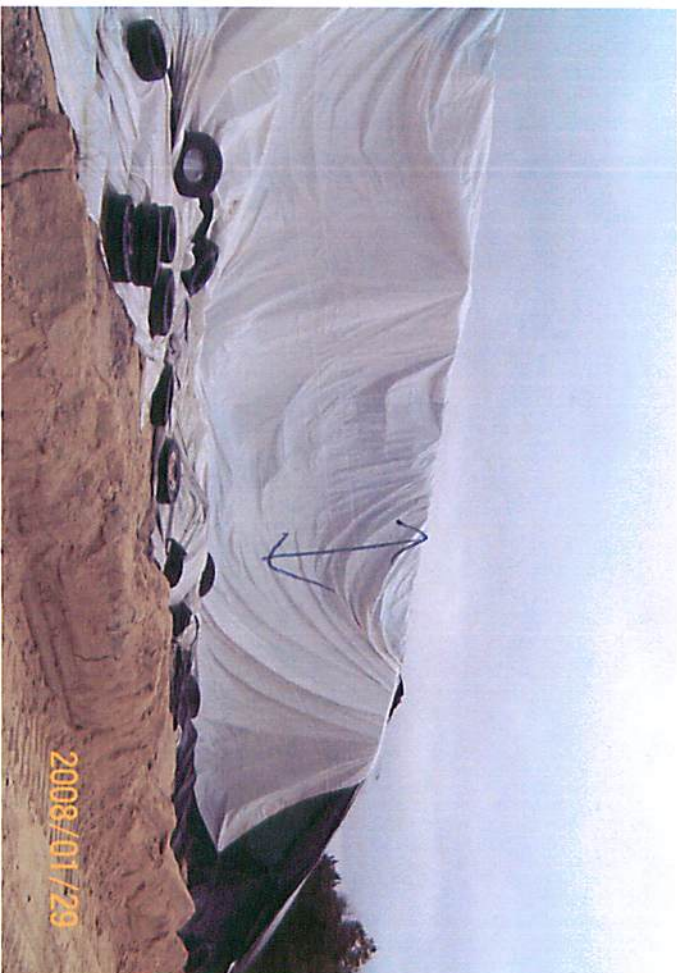
TECO cannon #1



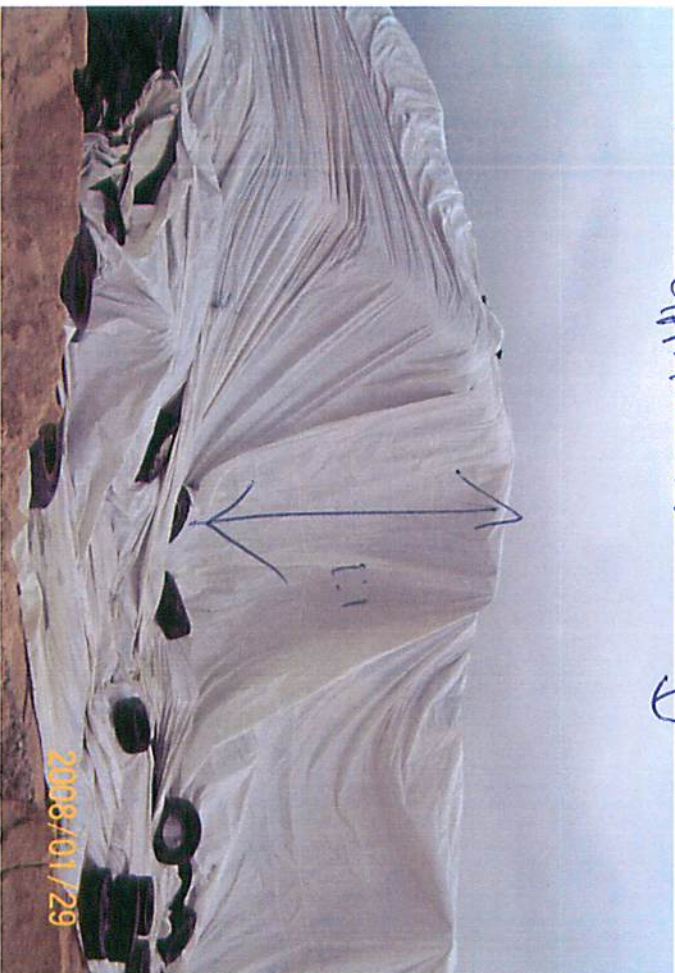
TECO canyon



TECO cannon #1



TECO CANNON # 3





TECO SLAG PILE #1



TECO GYPSUM



BOTTOM ASH FOR SCREENING

few () + 3 - very steep



TECO GANNON
CONDITIONED ASH
SUG
TREES

N Plant
closed
down /
(Caretaker's house)
(@ Miami)

new kuhn-
front feed rack
this
drawn
back end

Glitter
Garnet

gypsum #20 Aframo

port 3
- ~~port~~ bottom 5h increased
- 1115 call - before

conditioned ash
- gypsum
new Aframo

gannons / #3

TECO clay pile #2

uncovered